EXHIBIT 2
DATE 2-16-07
HB 383

Testimony for:

House Natural Resources Committee

February 16, 2007

by

Senator Keith Bales

WDA-228

WYOMING DEPARTMENT OF AGRICULTURE
Chemical and Bacteriological Laboratory
P.O. Box 3228 University Station
Laramie, Wyoming 82071

No. 1-2018

1 Lb Feed cat-list
2 100-mg Thiamine

No.

SERVICE SAMPLE ANALYSIS REPORT

Dr. Bains
319-393-3310

Product: WATER

Sent In By: Dr. J.A. Wilson, Jr., 336 North Jefferson, Sheridan, WY 82801

Analysis Requested: Sodium and other electrolytes

Remarks: Owner-Bales Ranch State Vet Lab D2539

Date Sample Received in Laboratory: January 21, 1981

ANALYSIS

	mg/1	meq/1
SODIUM	330	14.42
POTASSIUM	8.8	0.23
CALCIUM	300	14.86
MAGNESIUM	370	30.36
CHLORIDE	36	1.03
SULFATE	3100	64.93
Total Dissolved Solids	4430	
Hardness (as $CaCO_3$)	4100	

2 Tests
Rivs
Thermal
B1

WDA-228

WYOMING DEPARTMENT OF AGRICULTURE
Chemical and Bacteriological Laboratory
P.O. Box 3228 University Station
Laramie, Wyoming 82071

No. 2-2291 through 2-2293

No.

SERVICE SAMPLE ANALYSIS REPORT

Product: WATER

Sent In By: Dr. J. Wilson, 336 North Jefferson, Sheridan, WY 82801

Analysis Requested: Chemistry and Livestock

Remarks: Owner: Bales Ranch State Vet Lab D3374

Date Sample Received in Laboratory: March 2, 1982

ANALYSIS

	#1 Spring	#2 spring	#3 well
Total Dissolved Solids, parts per million	4360	7020	3330
Hardness, parts per million ($CaCO_3$)	2300	2900	1700
Sulfates, parts per million	2900	4500	2000
Nitrates, parts per million (as N)	1.1	0.0	0.0
Sodium, parts per million	380	780	360

See attached sheets for an explanation of the above water analysis.

I hereby certify that the above sample was analyzed by myself or my assistant.

Kenneth L. McMillan, STATE CHEMIST
Director, Chemical and Bacteriological Laboratory

Date March 15, 1982

STATE BACTERIOLOGIST

Laboratory Fee $ 9.00 **(Paid) (Charged to be billed monthly)**

Make checks payable to the Wyoming Department of Agriculture - 2219 Carey Avenue, Cheyenne, Wyoming 82002

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Client: **Bales Ranch** Keith Bales House
Sample ID: Well
Lab ID: 0199W08793
Matrix: Water
Condition: Intact

Date Received: 07/16/99
Date Reported: 07/20/99
Date Sampled: NG
Time Sampled: NG

Parameter	Analytical Result	Recommended USPHS Health Limits	Units
General Parameters			
pH	7.9	6.5 - 8.5	s.u.
Electrical Conductivity	1,880		µmhos/cm
Total Dissolved Solids @ 180°C	1,340	500	mg/L
Total Hardness as CaCO3	32.3		mg/L
Nitrate + Nitrite as N	<0.01	10.0	mg/L
Sodium	442		mg/L
Sulfate	19.6	250	mg/L

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 17th ed., 1989.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: WN
Wade Nieuwsma, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

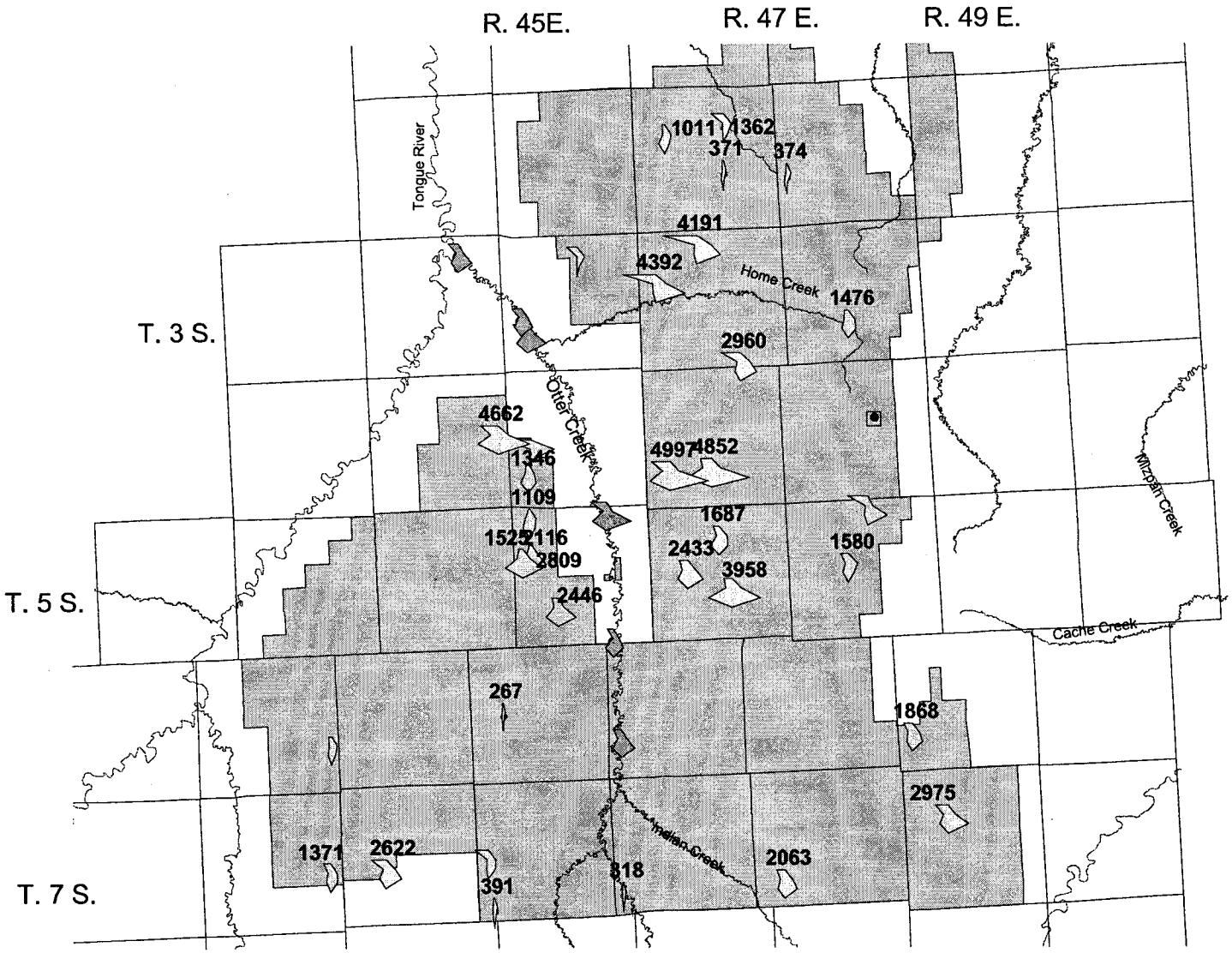
1633 Terra Avenue
Sheridan, Wyoming 82801

Client:	**Kieth Bales**		
Sample ID:	Bear Creek Well	Date Reported:	09/09/93
Laboratory ID:	0193-04520	Date Sampled:	08/30/93
Sample Matrix:	Water	Time Sampled:	Not Given
Condition:	Cool/Intact	Date Received:	08/31/93

Parameter	Analytical Result	Recommended USPHS Health Limits	Units
Total Dissolved Solids @ 180° C	2600	500	mg/L
Total Hardness as CaCO3	572		mg/L
Sodium	581		mg/L
Sulfate	1130	250	mg/L
Nitrate Nitrogen	<0.01	10.0	mg/L
pH	8.3	6-9	s.u.
Lab Conductivity @ 25° C	3250		µmhos/cm

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination Of Water And Wastewater", 17th ed., 1989.

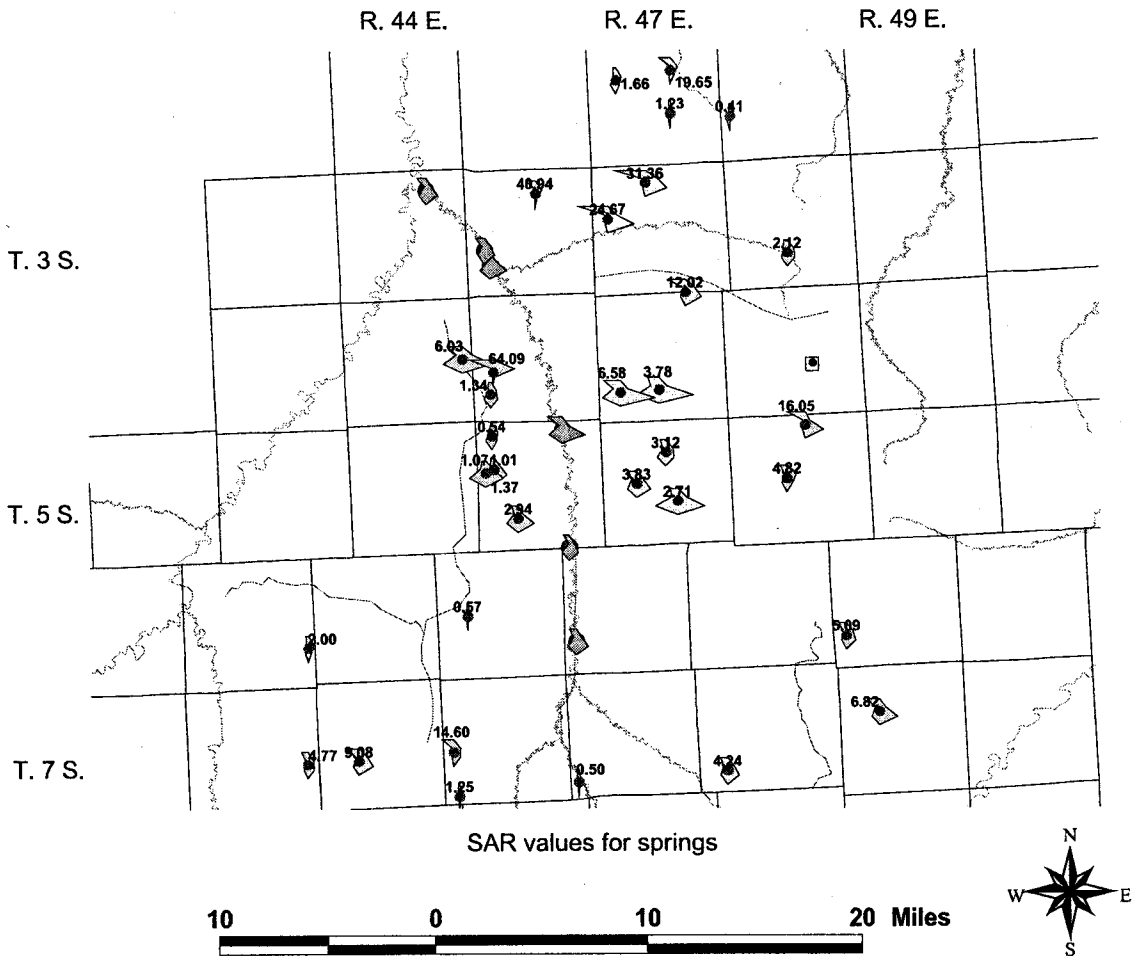
Reviewed by



TDS values for springs

8 0 8 16 Miles

N
W E
S


R. 44 E.
R. 47 E.
R. 49 E.
T. 3 S.
T. 5 S.
T. 7 S.
1.66
19.65
1.03
0.41
46.94
31.36
24.67
2.12
12.92
6.03
64.09
1.34
6.58
3.78
16.05
0.54
1.07
1.01
1.37
2.94
3.12
3.83
2.71
4.82
0.57
2.00
5.09
6.82
14.60
4.77
5.08
0.50
4.24
1.85
SAR values for springs
10
0
10
20 Miles
N
W
E
S